

Correzione Cluedo SQL

Indizi iniziali

È stato commesso un omicidio a SQL City e abbiamo bisogno del vostro aiuto!!! Il detective ha esagerato col Whisky fino a versare l'ultimo bicchiere sul rapporto della scena del crimine, rendendo incomprensibili gli appunti presi. Ricorda solo vagamente che il crimine è stato un **omicidio** avvenuto il **15 gennaio 2018** e che ha avuto luogo a **SQL City**. Oltre a ciò si ricorda che il suo informatico di fiducia, attualmente in vacanza, ha salvato tutte le informazioni in un database. Siccome il detective non ha alcuna competenza informatica, vi stiamo umilmente chiedendo una mano per riuscire a rispondere alle domande contenute in questo form.

Ispezione del report della scena del crimine

```
SELECT description FROM crime_scene_report WHERE date = '20180115' AND type = 'murder'  
AND city = 'SQL City';
```

description

Security footage shows that there were 2 witnesses. The first witness lives at the last house on "Northwestern Dr". The second witness, named Annabel, lives somewhere on "Franklin Ave".

Identificazione del primo testimone

```
SELECT id,name FROM person WHERE  
.....  
address_street_name = "Northwestern Dr" ORDER BY  
address_number DESC LIMIT 1;
```

id	name
14887	Morty Schapiro

Identificazione del secondo testimone

```
SELECT name,id FROM person WHERE name LIKE  
"Annabe1%" AND address_street_name="Franklin  
Ave";
```

name	id
Annabel Miller	16371

Analisi delle dichiarazioni dei due testimoni

```
SELECT transcript FROM interview WHERE person_id IN  
( '14887' , '16371' );
```

transcript

I heard a gunshot and then saw a man run out. He had a "Get Fit Now Gym" bag. The membership number on the bag started with "48Z". Only gold members have those bags. The man got into a car with a plate that included "H42W".

I saw the murder happen, and I recognized the killer from my gym when I was working out last week on January the 9th.

Identificazione dell'assassino

```
SELECT p.id,p.name FROM person as p, get_fit_now_check_in as ci,  
get_fit_now_member as m, drivers_license as dl WHERE p.license_id =  
dl.id AND m.person_id = p.id AND ci.membership_id = m.id AND gender =  
'male' AND membership_status = 'gold' AND plate_number LIKE '%H42W%'  
AND membership_id LIKE '%48Z%' AND check_in_date = '20180109';
```

id	name
67318	Jeremy Bowers

Analisi delle dichiarazioni dell'assassino

```
SELECT transcript FROM interview WHERE person_id = 67318;
```

transcript

I was hired by the person who attended the most events of all people. She has always spoken to me while sitting in a Tesla Model S. Also, I know she has joined a gym although she never uses it because she doesn't want to be seen.

Identificazione del mandante

```
SELECT p.name, fe.person_id, COUNT(DISTINCT event_id) as n_events from
facebook_event_checkin AS fe, get_fit_now_member AS gf, person as p,
drivers_license AS dl WHERE fe.person_id = gf.person_id AND fe.person_id =
p.id AND p.license_id = dl.id AND car_model = 'Model S' AND car_make =
'Tesla' and gf.id NOT IN ( SELECT membership_id FROM get_fit_now_check_in )
group by fe.person_id ORDER BY n_events DESC;
```

name	person_id	n_events
Miranda Priestly	99716	4
Alice Cooper	10321	1

Chi è il testimone? E chi è la vittima?

```
SELECT transcript FROM interview WHERE person_id = '99716'
```

person_id	transcript
99716	I can't stand it when people lie. She always left the gym with her mistress.

Chi è la vittima? E chi è l'amante?

```
SELECT p.name, p.id FROM person as p, get_fit_now_member as m WHERE p.id = m.person_id
AND m.id IN ( SELECT f1.membership_id FROM get_fit_now_check_in as f1,
get_fit_now_check_in as f2 WHERE f1.check_in_date=f2.check_in_date AND
f1.check_out_time=f2.check_out_time AND f1.membership_id<>f2.membership_id GROUP BY
f1.membership_id HAVING COUNT(*) = ( SELECT COUNT(*) FROM get_fit_now_check_in as f3
WHERE f3.membership_id = f1.membership_id ) );
```

name	id
Luisa Maicon	99991
Kyra Slice	99992

Chi è la vittima? E chi è l'amante?

```
SELECT person_id, transcript FROM interview WHERE  
.....  
person_id IN ('99991', '99992');
```

person_id	transcript
99991	I didn't know she was engaged...I'm devastated, because I loved her....